

Claims

1. Tube, through which a flowable material can be delivered, and whose inner wall consists of material selected for the piggability of the tube and/or corresponding to the material delivery, characterized in that the tube consists of at least two layers (1,2,3) that are in contact or are adjacent to each other, of which the innermost layer (1) forms the inner wall of the tube, while the second layer (2) consists of an isolation material selected for high-voltage resistance or of a material selected corresponding to at least one other additional function of the tube.

2. Tube according to Claim 1, characterized in that the second layer (2) is surrounded by a protective layer (3), which is in contact with or adjacent to the second layer and which is made from a material protecting the second layer (2) from damage.

3. Tube according to Claim 1 or 2, characterized in that the second layer (2) consists of at least two layers (21,22).

4. Tube according to one of the preceding claims, characterized in that the electrical breakdown resistance of the second layer (2) is equal to at least 30 kV/mm.

5. Tube according to one of the preceding claims, characterized in that the innermost layer (1) consists of PFA.

6. Tube according to one of the preceding claims, characterized in that an isolation layer (2) made from LDPE is provided.

7. Tube according to one of the preceding claims, characterized in that a protective layer made from PUR is provided as the outer layer (3).

8. Method for producing a piggable tube according to one of the preceding claims with at least one isolation layer (2) surrounding the piggable inner layer (1), wherein initially a piggable

tube forming the inner layer (1) is produced, on which the isolation layer (2) is then applied through extrusion.

9. Method according to Claim 8, characterized in that on the tube consisting of the inner layer (1) and the isolation layer (2) a protective layer (3) made from a material protecting the isolation layer from damage is applied through extrusion.

10. Use of a tube according to one of Claims 1-7 for delivering an electrically conductive fluid at a high voltage in a system for electrostatic mass-production coating of workpieces in the vicinity of parts of the system that are grounded or set to a low potential.